

# Expansion and Renovate as New for the

## Crystal Lake Elementary School

284 Sandy Beach Road  
Ellington, Connecticut 06029

Phase 1 of 3

June 18, 2013

Issued for Bidding November 26, 2013

VOLUME 1 of 2

*Drawings included:*

*Code and Phasing Information*

*Civil*

*Landscape*

*Architectural*

*Abatement*



SILVER / PETRUCELLI + ASSOCIATES

*Architects / Engineers / Interior Designers*

3190 Whitney Avenue, Hamden, CT 06518-2340

Tel. 203 230 9007 Fax. 203 230 8247

*silverpetrucelli.com*

State Project Number: 048-0058 EA/RR/PS

CS1.1



## ABBREVIATIONS

A.B.	ANCHOR BOLT	JAN.	JANITOR
A.C.P.	ASBESTOS CEMENT PIPE	K.P.	KICK PLATE
ADJ.	ADJUSTABLE	L.A.M.	LAMINATE
A.F.F.	ABOVE FINISH FLOOR	L.F.	LINEAL FOOT
A.C.T.	ACOUSTICAL CEILING TILE	L.FIXT.	LIGHT FIXTURE
ALUM.	ALUMINUM	L.G.	LONG
APPROX.	APPROXIMATE	L.O.C.	LOCATION
ARCH.	ARCHITECTURAL	L.P.	LOW POINT
ASPH.	ASPHALT	L.T.G.	LIGHTING
AVG.	AVERAGE		
B.S.M.T.	BASEMENT	M.	MINUTE
B.D.	BOARD	M.A.S.	MASONRY
BRG.	BEARING	M.A.X.	MAXIMUM
BRK.	BRICK	M.E.C.H.	MECHANICAL
BIT.	BITUMINOUS	M.H.	MANHOLE
BLK.	BLOCK	M.N.	MINIMUM
BLDG.	BUILDING	MISC.	MISCELLANEOUS
B.S.	BOTH SIDES	M.O.	MASONRY OPENING
		M.T.D.	MOUNTED
C.I.	CAST IRON	N.A.	NOT APPLICABLE
C.P.	CAST IN PLACE CONCRETE	N.C.	NOT IN CONTRACT
C.B.	CATCH BASIN	N.O.	NUMBER
CL.G.	CEILING	N.O.M.	NOMINAL
C.	CENTER LINE	N.S.	NEAR SIDE
C. BD.	CHALK BOARD	N.T.S.	NOT TO SCALE
C.C.	CURB CUT		
C.O.	CLEAN OUT	O.C.	ON CENTER
C.O.C.	COLUMN	O.C.C.	OCCUPANT
CONC.	CONCRETE	O.S.D.	OUTSIDE DIAMETER
CONF.	CONFERENCE	OPNG.	OPENING
CMU.	CONCRETE MASONRY UNIT	OPP.	OPPOSITE
CONT.	CONTINUOUS		
C.J.	CONTROL JOINT		
CONTR.	CONTRACTOR		
CURT. W.	CURTAIN WALL		
DET.	DETAIL	P.C.B.	PAINTED CONCRETE BLOCK
DIA.	DIAMETER	P.G.B.	PAINTED GYPSUM BOARD
DM.	DIMENSION	PL.	PLATE
DR.	DOOR	PLUMB.	PLUMBING
DN.	DOWN	PLYWD.	PLYWOOD
DWG.	DRAWING	PREP.	PREPARATION
		P.T.	PRESSURE TREATED
		P.T.D.	PAINTED
		P.V.C.	POLYVINYL CHLORIDE
E	ELECTRICAL	R	RISER
EA.	EACH	R.R.	REINFORCED CONCRETE PIPE
ED.	EDUCATION	R.C.P.	ROOF DRAIN
ELEC.	ELECTRICAL	R.D.	REINFORCEMENT
E.F.	EACH FACE	REINF.	REQUIRED
E.J.	EXPANSION JOINT	REQD.	REQUIRED
EL.	ELEVATION	R.H.	ROOF HATCH
ELEV.	ELEVATION	R.L.	ROOF LEADER
EMER.	EMERGENCY	R.M.	ROOM
ENCL.	ENCLOSURE		
ENL.	ENLARGED	S.	STORM
ENT.	ENTRANCE	SAN.	SANITARY
EP.	EPOXY PAINT	S.C.	SEALED CONCRETE
EQ.	EQUAL	S.C.H.	SCHEDULE
ES.	EXPOSED STRUCTURE	SECT.	SECTION
E.T.R.	EXISTING TO REMAIN	SM.	SIMILAR
EW.	EACH WAY	S.O.G.	SLAB ON GRADE
EW/E.F.	EACH WAY/EACH FACE	SPEC.	SPECIFICATIONS
EXAM.	EXAMINATION	SQ.	SQUARE
EXIST.	EXISTING	SQ. FT.	SQUARE FEET
EXP.	EXPANSION	STL.	STEEL
EXT.	EXTERIOR	STRUCT.	STRUCTURAL
		SUSP.	SUSPENDED, SUSPENSION
FDN.	FOUNDATION	S.W.	SHEAR WALL
F.F.	FINISHED FLOOR	S.W.F.	SHEAR WALL FOOTING
F.P.	FOLDING PARTITION		
FIN.	FINISH, FINISHED		
FIXT.	FIXTURE	T.	TELEPHONE
FL.	FLOOR	T.B.	TOP & BOTTOM
FT.	FOOT	TECH.	TECHNOLOGY
F.S.	FAIR SIDE	T.O.	TOP OF
F.R.T.	FIRE RETARDANT TREATED	T.O.F.	TOP OF FRAME
FTG.	FOOTING	T.O.S.	TOP OF STEEL
		T.O.S.	TOP OF SLAB
G	GAS	T/W	TOP OF WALL
GA.	GAGE, GAUGE	TYP.	TYPICAL
GEN.	GENERAL		
G.C.	GENERAL CONTRACTOR	U.O.N.	UNLESS OTHERWISE NOTED
GYP.	GYPSUM		
GYP. BD.	GYPSUM BOARD	V.B.	VINYL BASE
		V.C.T.	VINYL COMPOSITE TILE
H.C.	HANDICAPPED	VERT.	VERTICAL
HD.	HEADED	V.I.F.	VERIFY IN FIELD
HDWR.	HARDWARE		
HGT.	HEIGHT	W.	WATER
H.P.	HIGH POINT	W/	WITH
H.M.	HOLLOW METAL	WCJ	WALL CONTROL JOINT
HORIZ.	HORIZONTAL, HORIZONTALLY	WD.	WOOD
H.B.	HOSE BIB	WF.	WIDE FLANGE
HR.	HOOR	W.W.F.	WELDED WIRE FABRIC
HYD.	HYDRANT	W.W.M.	WELDED WIRE MESH
INSUL.	INSULATION, INSULATED	Ø	AT
INT.	INTERIOR	Ø	DIAMETER
INV.	INVERT		

## SYMBOL LEGEND

XXX	ROOM NUMBER
XX	DOOR NUMBER
XX	EQUIPMENT NUMBER
XX	DEMOLITION NOTE
XX	WINDOW TYPE
XX	DETAIL NUMBER
XX	DRAWING NUMBER
← XX	CONSTRUCTION NOTE
— X	SECTION / DETAIL
XX	DRAWING NUMBER
XX	WALL SECTION
XX	DRAWING NUMBER
XX	INTERIOR / EXTERIOR ELEVATION
XX	DRAWING NUMBER
+	REFERENCE POINT
XX	WALL TYPE
X	REVISION MARK

## GRAPHIC LEGEND

	CONCRETE
	CONCRETE MASONRY UNITS IN PLAN
	CONCRETE MASONRY UNITS IN SECTION
	BRICK
	STONE
	METALS
	COMPACTED GRAVEL
	EARTH
	PLYWOOD
	ACOUSTICAL TILE
	WOOD FRAMING THROUGH MEMBER
	WOOD FRAMING INTERRUPTED MEMBER
	FINISHED WOOD
	BATT INSULATION
	RIGID INSULATION
	GYPSUM BOARD

## LIST OF DRAWINGS

### VOLUME ONE

**INFORMATION AND CODE DRAWINGS**  
 C341 - COVER SHEET, VOLUME ONE  
 A0001 - GENERAL INFORMATION, VOLUME ONE  
 A0002 - CODE INFORMATION  
 A0003 - FIRST FLOOR CODE PLAN  
 A0004 - PHASING PLAN

### CIVIL / LANDSCAPE DRAWINGS

EC100 - EXISTING CONDITIONS PLAN  
 C100 - BROOKLYN AND SEBASTIAN CONTROL PLAN  
 C100-099 NOT USED  
 C200 - SITE DEMOLITION PLAN  
 C201-C299 NOT USED  
 C300 - LAYOUT AND MATERIALS PLAN  
 C301 - ENLARGED LAYOUT & MATERIALS PLAN  
 C302 - LAYOUT PLAN  
 C303 - PLAN AND PROFILE  
 C304-C399 NOT USED  
 C400 - GRADING AND DRAINAGE PLAN  
 C401 - GRADING AND DRAINAGE PLAN  
 C402-C499 NOT USED  
 C500 - UTILITY PLAN  
 C501-C599 NOT USED  
 C600 - DETAILS  
 C601 - DETAILS  
 C602 - DETAILS  
 C603 - DETAILS  
 C604 - DETAILS  
 C605 - DETAILS  
 C606 - DETAILS  
 C607-C699 NOT USED  
 C700 - PHASING PLAN - PHASE ONE  
 C701 - PHASING PLAN - PHASE TWO  
 C702 - PHASING PLAN - PHASE THREE  
 H1000 - HANDICAP ACCESSIBILITY PLAN  
 L100 - LANDSCAPE PLANTING PLAN  
 L101 - LANDSCAPE PLANTING ENLARGEMENTS

### ARCHITECTURAL DRAWINGS

A0008 - EXISTING FIRST FLOOR PLAN  
 A0009 - FIRST FLOOR DEMO PLAN, AREA 'A'  
 A0010 - FIRST FLOOR DEMO PLAN, AREA 'B'  
 A0011 - OVERALL ROOF DEMO PLAN  
 A0012-A0019 NOT USED  
 A100 - OVERALL FIRST FLOOR PLAN  
 A101 - FIRST FLOOR PLAN, AREA 'A'  
 A102 - FIRST FLOOR PLAN, AREA 'B'  
 A103 - FIRST FLOOR PLAN, AREA 'C'  
 A104 - BASEMENT AND TUNNEL PLAN  
 A105 - ATTIC FLOOR PLAN, AREA 'C'  
 A106-A199 NOT USED  
 A190 - OVERALL ROOF PLAN  
 A191 - ROOF PLAN, AREA 'A'  
 A192 - ROOF PLAN, AREA 'B'  
 A193 - ROOF PLAN, AREA 'C'  
 A194-A199 NOT USED  
 A190 - ENLARGED RAMP PLANS AND SECTIONS  
 A191 - ENLARGED RAMP PLANS AND SECTIONS  
 A192 - ENLARGED STAIR PLAN AND SECTIONS  
 A193-199 NOT USED  
 A200 - REFLECTED CEILING PLAN, AREA 'A'  
 A201 - REFLECTED CEILING PLAN, AREA 'B'  
 A202 - REFLECTED CEILING PLAN, AREA 'C'  
 A203 - CEILING DETAILS  
 A204-A299 NOT USED  
 A290 - FIRST FLOOR PATTERN PLAN, AREA 'A'  
 A291 - FIRST FLOOR PATTERN PLAN, AREA 'B'  
 A292 - FIRST FLOOR PLAN, AREA 'C'  
 A293-299 NOT USED  
 A300 - OVERALL EXTERIOR ELEVATIONS  
 A301 - EXTERIOR ELEVATIONS  
 A302 - EXTERIOR ELEVATIONS  
 A303 - EXTERIOR ELEVATIONS  
 A304 - EXTERIOR ELEVATIONS  
 A305-A399 NOT USED  
 A400 - BUILDING SECTIONS  
 A401 - BUILDING SECTIONS  
 A402 - BUILDING SECTIONS  
 A403 - BUILDING SECTIONS  
 A404-A499 NOT USED  
 A500 - WALL SECTIONS  
 A501 - WALL SECTIONS  
 A502 - WALL SECTIONS  
 A503 - WALL SECTIONS  
 A504 - WALL SECTIONS  
 A505 - WALL SECTIONS  
 A506 - WALL SECTIONS  
 A507 - WALL SECTIONS  
 A508 - WALL SECTIONS  
 A509 - WALL SECTIONS  
 A510 - WALL SECTIONS  
 A511-A599 NOT USED  
 A560 - WALL SECTIONS  
 A561 - SECTION DETAILS  
 A562 - SECTION DETAILS  
 A563 - SECTION DETAILS  
 A564 - SECTION DETAILS  
 A565 - SECTION DETAILS  
 A566 - SECTION DETAILS  
 A567 - SECTION DETAILS  
 A568 - SECTION DETAILS  
 A569 - SECTION DETAILS  
 A560-A599 NOT USED  
 A600 - ENLARGED PLANS & ELEVATIONS  
 A601 - PLAN DETAILS  
 A602-619 NOT USED  
 A620 - WINDOW ELEVATIONS  
 A621 - WINDOW ELEVATIONS  
 A622 - WINDOW ELEVATIONS  
 A623-629 NOT USED  
 A630 - WINDOW DETAILS  
 A631-A639 NOT USED  
 A640 - ROOF DETAILS  
 A641-699 NOT USED  
 A700 - TOILET ROOM FIXTURE ELEVATIONS  
 A701-719 NOT USED  
 A720 - CASEWORK ELEVATIONS  
 A721 - CASEWORK ELEVATIONS  
 A722 - CASEWORK ELEVATIONS  
 A723 - CASEWORK ELEVATIONS  
 A724 - CASEWORK ELEVATIONS  
 A725 - CASEWORK ELEVATIONS  
 A726 - CASEWORK ELEVATIONS  
 A727 - INTERIOR ELEVATIONS  
 A728 - INTERIOR ELEVATIONS  
 A729 - INTERIOR ELEVATIONS  
 A730-749 NOT USED  
 A750 - FURNITURE PLAN PLAN, AREA 'A'  
 A751 - FURNITURE PLAN PLAN, AREA 'B'  
 A752 - FURNITURE PLAN, AREA 'C'  
 A753-799 NOT USED  
 A800 - CASEWORK DETAILS  
 A801 - CASEWORK DETAILS  
 A802 - CASEWORK DETAILS  
 A803 - CASEWORK DETAILS  
 A804 - CASEWORK DETAILS  
 A805 - CASEWORK DETAILS  
 A806-899 NOT USED  
 A900 - PARTITION TYPES  
 A901-A909 NOT USED  
 A910 - DOOR SCHEDULE, AREA 'A' & 'B'  
 A911 - DOOR SCHEDULE, AREA 'C'  
 A912 - DOOR ELEVATIONS  
 A913 - DOOR DETAILS  
 A914-A919 NOT USED  
 A920 - SIGNAGE TYPES  
 A921-A929 NOT USED  
 A930 - FIRST FLOOR FINISH SCHEDULE

### ABATEMENT DRAWINGS

HAZ001 - 1ST FLOOR HAZARDOUS MATERIAL ABATEMENT  
 HAZ002 - 1ST FLOOR HAZARDOUS MATERIAL ABATEMENT  
 HAZ003 - ROOF HAZARDOUS MATERIAL ABATEMENT  
 HAZ004 - ROOF HAZARDOUS MATERIAL ABATEMENT

### VOLUME TWO

### INFORMATION DRAWINGS

C812 - COVER SHEET, VOLUME TWO  
 A0012 - GENERAL INFORMATION, VOLUME TWO

### STRUCTURAL DRAWINGS

S101 - FLOOR AND FOUNDATION PLAN, AREA 'A'  
 S102 - FLOOR AND FOUNDATION PLAN, AREA 'B'  
 S103 - FLOOR AND FOUNDATION PLAN, AREA 'C'  
 S104-120 NOT USED  
 S121 - LOW ROOF FRAMING PLAN, AREA 'A'  
 S122 NOT USED  
 S123 - ATTIC FLOOR & LOW ROOF FRAMING PLAN, AREA 'C'  
 S124-130 NOT USED  
 S131 - ROOF FRAMING PLAN, AREA 'A'  
 S132 - ROOF FRAMING PLAN, AREA 'B'  
 S133 - ROOF FRAMING PLAN, AREA 'C'  
 S134-199 NOT USED  
 S200 - COLUMN SCHEDULE  
 S201-299 NOT USED  
 S300 - FLOOR & FOUNDATION SECTIONS  
 S301-399 NOT USED  
 S400 - ROOF SECTIONS  
 S401 - ROOF SECTIONS  
 S402-499 NOT USED  
 S500 - TYPICAL DETAILS  
 S501 - TYPICAL DETAILS  
 S502-599 NOT USED  
 S600 - GENERAL NOTES

### FIRE PROTECTION DRAWINGS

FP101 - 1ST FLOOR FIRE PROTECTION PLAN, AREA 'A'  
 FP102 - 1ST FLOOR FIRE PROTECTION PLAN, AREA 'B'  
 FP103 - 1ST FLOOR FIRE PROTECTION PLAN, AREA 'C'  
 FP104 - BASEMENT AND TUNNEL FIRE PROTECTION PLAN  
 FP105 - ATTIC & WELL EQUIPMENT BUILDING AREA FIRE PROTECTION PLANS  
 FP106-109 NOT USED  
 FP1501 - FIRE PROTECTION NOTES, LEGENDS AND DETAILS  
 FP1502 - FIRE PROTECTION WATER STORAGE TANK DETAILS

### PLUMBING DRAWINGS

PD101 - 1ST FLOOR PLUMBING DEMO PLAN, AREA 'A'  
 PD102 - 1ST FLOOR PLUMBING DEMO PLAN, AREA 'B'  
 PD103 - BASEMENT/TUNNEL PLUMBING DEMO PLAN  
 PD104 - 1ST FLOOR PLUMBING PLAN, AREA 'A'  
 PD105 - 1ST FLOOR PLUMBING PLAN, AREA 'B'  
 PD106 - 1ST FLOOR PLUMBING PLAN, AREA 'C'  
 PD107 - BASEMENT AND TUNNEL PLUMBING PLAN  
 PD108 - ATTIC AND ROOF PLUMBING PLANS  
 PD109-400 NOT USED  
 PD401 - ENLARGED PLUMBING PART, PLANS  
 PD402 - ENLARGED PLUMBING PART, PLANS  
 PD403-400 NOT USED  
 PD501 - PLUMBING LEGENDS, NOTES, SCHEDULES  
 PD502 - PLUMBING DETAILS 1  
 PD503 - PLUMBING DETAILS 2

### MECHANICAL DRAWINGS

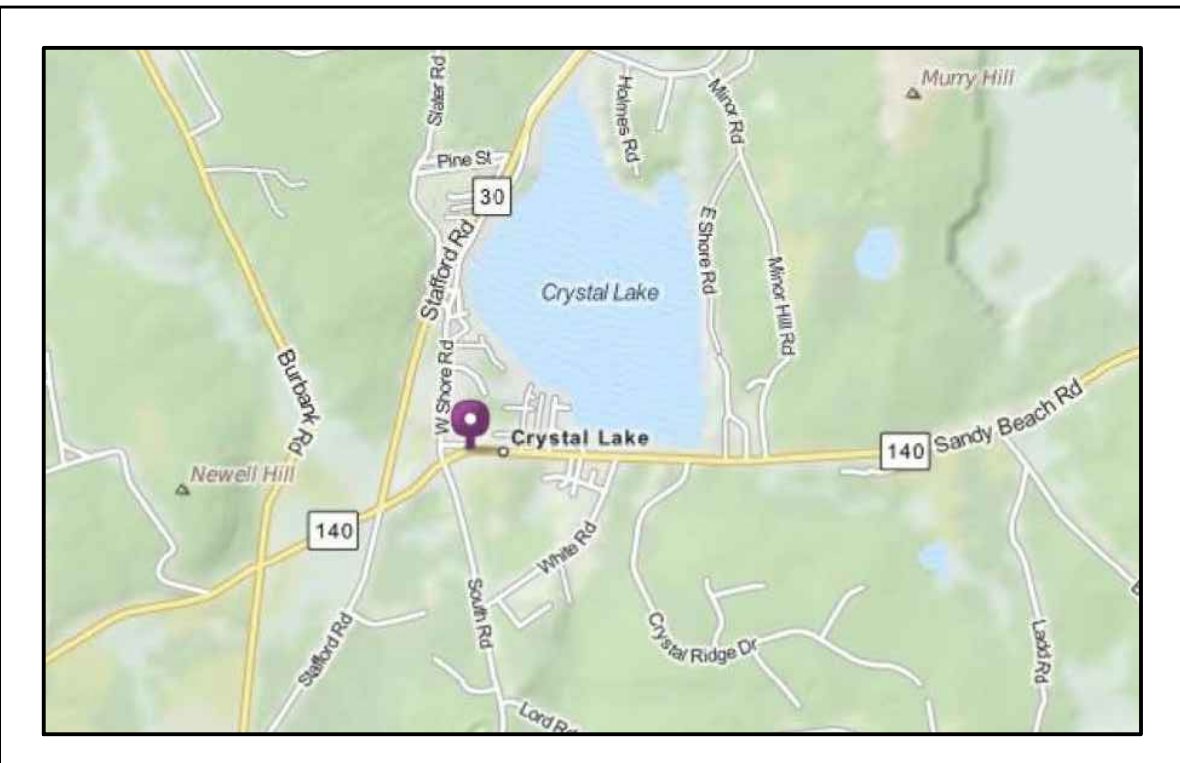
M101 - 1ST FLOOR MECHANICAL DEMO PLAN, AREA 'A'  
 M102 - 1ST FLOOR MECHANICAL DEMO PLAN, AREA 'B'  
 M103 - BASEMENT MECHANICAL DEMO PLAN  
 M104-200 NOT USED  
 M201 - 1ST FLOOR DUCT PLAN, AREA 'A'  
 M202 - 1ST FLOOR DUCT PLAN, AREA 'B'  
 M203 - 1ST FLOOR DUCT PLAN, AREA 'C'  
 M204 - ATTIC DUCTWORK PLAN  
 M205-300 NOT USED  
 M301 - ATTIC MECHANICAL/HYDRONIC PLAN  
 M302 - MAIN FLOOR HYDRONIC PLAN  
 M303-400 NOT USED  
 M401 - MECHANICAL SCHEDULES  
 M402 - BOILER/HYDRONIC SCHEDULES  
 M403-400 NOT USED  
 M501 - MECHANICAL DETAILS  
 M502 - HYDRONIC DETAILS  
 M503-599 NOT USED  
 M600 - GENERAL NOTES

### ELECTRICAL DRAWINGS

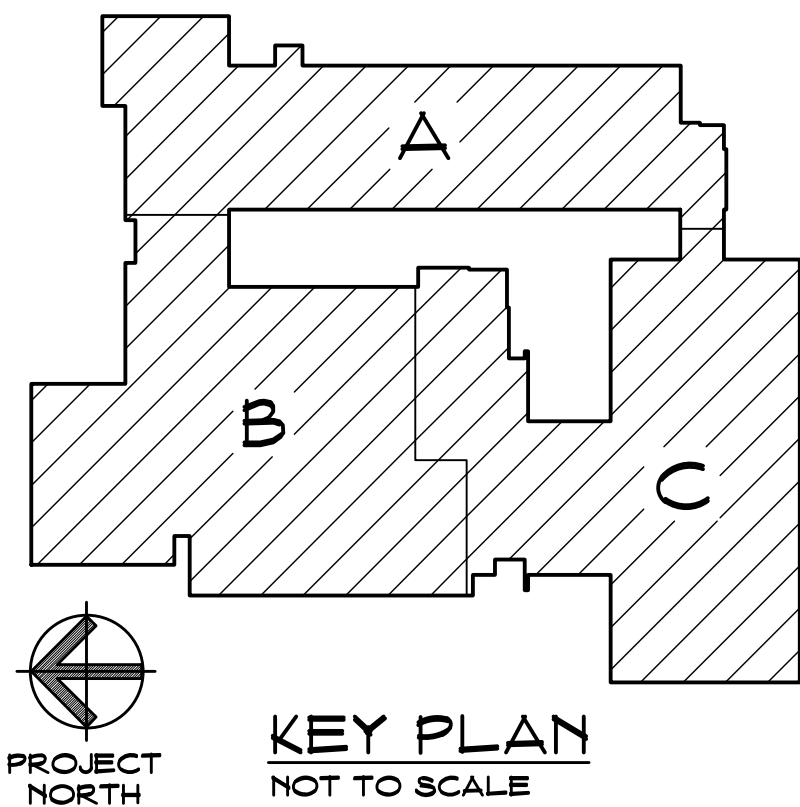
ED001 - 1ST FLOOR ELECTRICAL DEMO PLAN, AREA 'A'  
 ED002 - 1ST FLOOR ELECTRICAL DEMO PLAN, AREA 'B'  
 ED003 - BASEMENT ELECTRICAL DEMO PLAN  
 E100 - 1ST FLOOR LIGHTING PLAN, AREA 'A'  
 E101 - 1ST FLOOR LIGHTING PLAN, AREA 'B'  
 E102 - 1ST FLOOR LIGHTING PLAN, AREA 'C'  
 E103 - BASEMENT AND TUNNEL LIGHTING PLAN  
 E104-199 NOT USED  
 E200 - 1ST FLOOR POWER PLAN, AREA 'A'  
 E201 - 1ST FLOOR POWER PLAN, AREA 'B'  
 E202 - 1ST FLOOR POWER PLAN, AREA 'C'  
 E203 - BASEMENT AND TUNNEL POWER PLAN  
 E204-299 NOT USED  
 E300 - LIGHTING SCHEDULE AND LEGEND  
 E301 - ONE LINE DIAGRAM  
 E302 - PA RISER DIAGRAM  
 E303 - PANEL SCHEDULES  
 E304 - EQUIPMENT SCHEDULE  
 E305 - DETAILS  
 E306 - ELECTRICAL ROOF PLAN  
 E307 - SITE PLAN  
 E308 - ELECTRICAL ATTIC & EQUIP. BLDG. PLAN

### TECHNOLOGY DRAWINGS

T100 - TECHNOLOGY PLANS - GENERAL NOTES - SYMBOL LEGEND  
 T101-199 NOT USED  
 T200 - BASEMENT FLOOR OVERALL PLAN  
 T201 - BASEMENT FLOOR PARTIAL PLAN 'A'  
 T202 - 1ST FLOOR OVERALL PLAN  
 T203 - 1ST FLOOR PARTIAL PLAN 'A'  
 T204 - 1ST FLOOR PARTIAL PLAN 'B'  
 T205 - 1ST FLOOR PARTIAL PLAN 'C'  
 T206 - ATTIC PARTIAL PLAN 'C'  
 T207-299 NOT USED  
 T300 - TECHNOLOGY PLANS - EQUIPMENT ROOM LAYOUTS  
 T301 - TECHNOLOGY PLANS - DETAILS & OUTLET CONFIGURATIONS  
 T302 - TECHNOLOGY PLANS - DETAILS  
 T303 - TECHNOLOGY PLANS - DETAILS GRONDING & BONDING  
 T304 - AV DETAILS  
 T305-299 NOT USED  
 T400 - TECHNOLOGY PLANS - WIRING DIAGRAMS  
 T401 - TECHNOLOGY PLANS - WIRING DIAGRAMS  
 T402 - TECHNOLOGY PLANS - WIRING DIAGRAMS  
**FOOD SERVICE DRAWINGS**  
 F001 - DRAWING INDEX  
 F002 - GENERAL NOTES  
 F003 - ELECTRICAL NOTES  
 F004 - PLUMBING NOTES  
 F005 - MECHANICAL NOTES  
 F006 - SCHEDULE  
 F007 - PLAN AND SCHEDULE  
 F008 - ELECTRICAL ROUGH-IN PLAN & SCHEDULE  
 F009 - PLUMBING ROUGH-IN PLAN & SCHEDULE  
 F010-151 NOT USED  
 F011 - ELEVATION REFERENCE PLAN  
 F012 - SPECIAL CONDITIONS PLAN  
 F013 - SLAB PENETRATIONS PLAN  
 F014 - VENTILATION PLAN  
 F015 - EXHAUST HOOD DETAILS  
 F016 - EXHAUST HOOD DETAILS  
 F017 - WALK-IN DETAILS  
 F018 - WALK-IN DETAILS  
 F019-151 NOT USED  
 F020 - SERVING LINE DETAILS



**LOCATION MAP**  
 SCALE: NONE



**KEY PLAN**  
 NOT TO SCALE

Project Title:

Expansion and Renovate as New Project - PHASE 1 of 3

**Crystal Lake Elementary School**

284 Sandy Beach Road  
 Ellington, Connecticut 06029



**SILVER / PETRUCCI + ASSOCIATES**  
 Architects / Engineers / Interior Designers

3190 Whitney Avenue, Hamden, CT 06518-2340  
 Tel. 203 230 9007 Fax. 203 230 8247  
 silverpetrucci.com

Revision: Description: Date: Revised By:

-- ISSUED FOR BIDDING NOV. 26, 2013 --

Drawing Title:

**GENERAL INFORMATION, Vol. 1**

State Project Number: 048-0058 EA/RR/PS

Date: Drawing Number:

JUNE 18, 2013

Scale:

AS NOTED

Drawn By:

PEJ

Project Number:

12.140

**A001.1**











